

2SA1013T



!"#\$%&'()*+,-./:;<=>?@A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` { | } ~ # DATA SHEET

/ Descriptions

78905% : # ; \$; # , 4 < : 282 , % 4 # 8 : # < # 7 = > & ? * # ; 9 < 2 , 8 5 # ; < 5 @ < A ! #

/ Features

B&A + # % 9 , < A C # 9 < 4 A # 5 % : , 8 : D % D 2 # 5 % 9 9 5 , % 4 # 5 D 4 4 : , # 5 < - < 3 8 9 8 , E # F % 6 - 9 6 : , < 4 E # - < 8 4 # 0 8 , + # ' 7 F ' G ? G > ! #
BH # ; 4 % I D 5 , ! #

/ Applications

F % 9 9 4 # > J # 4 , ! < : I # 5 ! < 2 2 # K # 2 % D : I # % D , - D , # < - - 9 8 5 < , 8 % : 2 ! #

/ Equivalent Circuit



/ Pinning



; L \$) K < 2 # # ; L \$ # ' F % 9 9 5 , % 4 # # ; L \$ # G M 6 8 , , 4 # #
#

/ Marking

+ _{HM} #F9<228185<,8%:2# # 7E63%9#	#	=#	N#
+ _{HM} #<:A #	0(~) ' (#	) ((~ ' ((#	) 0 (~ G ' (#
P<4@8 : A#	B) G # *	B) G = # *	B) G N # *

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!"#\$%&'()*+,-./:;<=>?@A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` { | } ~ ¡ ¢ £ ¤ ¥ ¦ § ¨ © ª « ¬ ® ¯ ° ± ² ³ ´ µ ¶ · ¸ ¹ º » ¼ ½ ¾ ¿ DATA SHEET

/ Absolute Maximum Ratings(Ta=25)

# ; <4<6 , 4#	# 7E63%9#	# <,8:A#	# Q:8,#
F%99 5,%4#,%#K<2 #J%9,<A #	J _{FK} =#	&)O(#	J#
F%99 5,%4#,%#M68,, 4#J%9,<A #	J _{FM} =#	&)O(#	J#
M68,, 4#,%#K<2 #J%9,<A #	J _{MK} =#	&O!(#	J#
F%99 5,%4#FD44 :,&F%:,8:D%D2#	L _F #	&)!(#	R#
F%99 5,%4#K<2 &F%:,8:D%D2#	L _K #	&(!S#	R#
F%99 5,%4#;%0 4#T8228-<,8%:#	;F#	S((#	6 U#
VD:5,8%:#> 6- 4<,D4 #	>#	)S(#	°C#
7,%4<A #> 6- 4<,D4 # <:A #	>2,A#	&SS~)S(#	°C#

/ Electrical Characteristics(Ta=25)

# ; <4<6 , 4#	# 7E63%9#	# > 2,#F%: I8,8%:2#	# P8:#	# >E-#	# P<X#	# Q:8,#
F%99 5,%4#,%#K<2 #K4 <@I%0:# J%9,<A #	J _{FK} =#	L _F Y&)((D#R# L _M Y(#	&)O(#	#	#	J#
F%99 5,%4#,%#M68,, 4#J%9,<A #	J _{FM} =#	L _F Y&S((DR## L _K Y(#	&)O(#	#	#	J#
M68,, 4#,%#K<2 #J%9,<A #	J _{MK} =#	L _M Y&)((DR## L _F Y(#	&O!(#	#	#	J#
F%99 5,%4#FD,&=11#FD44 :,#	L _{FK} =#	J _{FK} Y&)S(J## L _M Y(#	#	#	&)!(#	ZR#
F%99 5,%4#FD,&=11#FD44 :,#	L _{FM} =#	J _{FM} Y&)S(J L _K Y(#	#	#	&)!(#	ZR#
M68,, 4#K<2 #FD,&=11#FD44 :,#	L _{MK} =#	J _{MK} Y&O!(J## L _F Y(#	#	#	&)!(#	ZR#
T#FD44 :,#" <8:#	+ _{HM} #	J _{FM} Y&S!(J## L _F Y&'((6R#	O(#	#	G'(#	#
F%99 5,%4#,%#M68,, 4#7<,D4<,8%:# J%9,<A #	J _{FM[2<,1#}	L _F Y&S((6R## L _K Y&S(6R#	#	#	&)!S#	J#
K<2 #,%#M68,, 4#J%9,<A #	J _{KM} #	J _{FM} Y&S!(J## L _F Y&S!(6R#	#	#	&(!]S#	J#
>4<:28,8%:#H4 ^D :5E#	1>#	J _{FM} Y&S!(J## L _F Y&'((6R#	)S#	S(#	#	PB_#
F%99 5,%4#=D,-D,#F<-<58,<:5 #	F%3#	J _{FK} Y&)(J## L _M Y(# IY)!(PB_#	#	#	GS#	-H#

/ Electrical Characteristic Curve

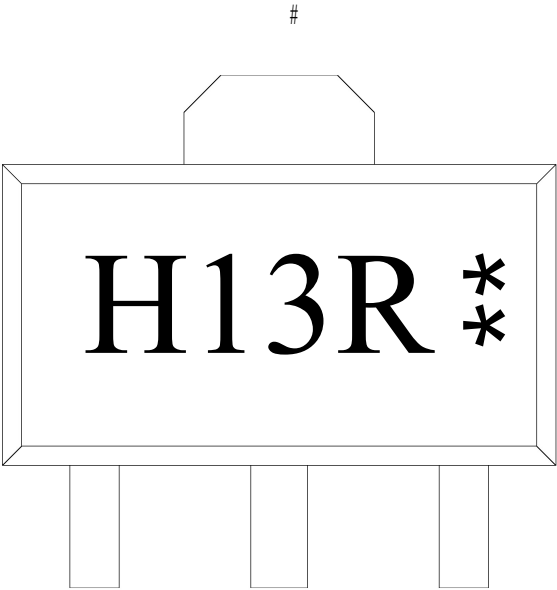


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! " # \$ % & ' () * #####



/ Marking Instructions



说明：

H： 为公司代码

13： 为型号代码

R： 为 h_{FE} 分档代码

**： 为生产批号代码，随生产批号变化。

\$%, .#

B.# # F%6 -<:E#F%! !#

)G.# # ; 4%ID5,#>E- !#

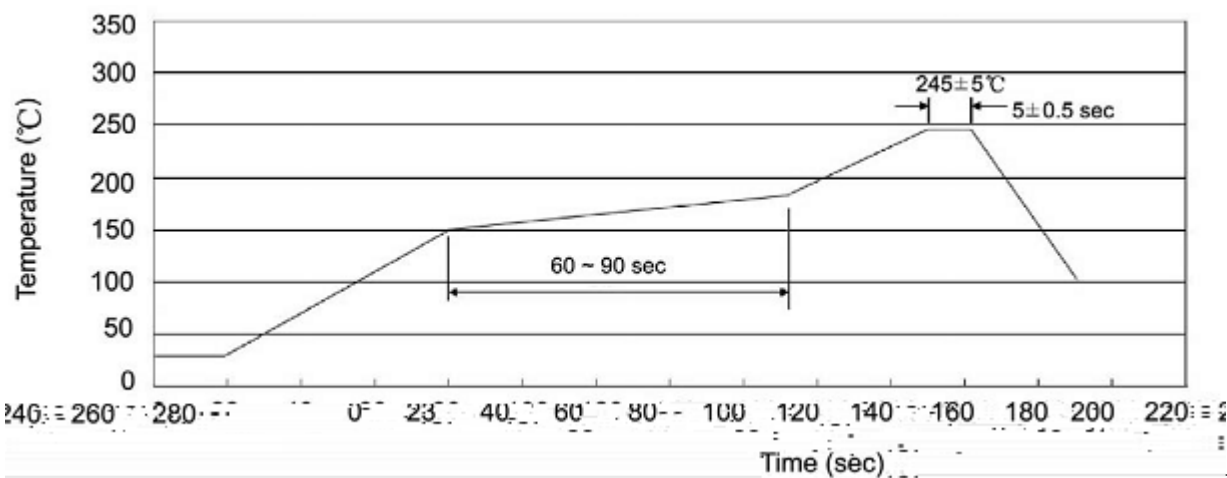
: # # +_{HM}#F9<228185<,8%: 2#7E63%9#

``.# # a%,#\$%!#F%! C#5%! #5+<:A #08,+a%,#\$%!#



#

() /



\$%, #
) 'S)S(0(*(2 5# # #)!; 4 + <,8:A.'Sc)S(C#>86 .0(c*(2 5!
 ' 'dS±S S±(!S2 5b# # '!; <@#> 6 -!. 'dS±S C#TD4<,8%:.S±(!S2 5!
 G ') (/2 5!# # # # G! F%%98:A#7- I.#'c) (/2 5!
 #

/ Resistance to Soldering Heat Test Conditions

#

'0(±S # #) (±)#2 5!# # # # > 6 -!. '0(eS°C# # >86 .) (e)#2 5#

#

/ Packaging SPEC.